Panasonic ideas for life

PoE Type Network Camera

BB-HCM403

Indoor Use Only
*AC adaptor is sold separately.







* This logo mark is issued by the IPv6 Ready Logo Program Committee, an IPv6 promotion group established mainly by

See There When You Can't Be There There When You Can't Be There

Meet our new dome-shaped, ceiling-mounted network camera with a fixed lens. It's easy to mount because all angle setting is done while viewing the monitor.

And power is supplied by Ethernet cable or AC adaptor (purchased separately).

This makes it ideal for monitoring places where mounting and supplying power are difficult, such as near entrances, elevator doors, factories, and warehouses. It offers true Zero Distance Management that boosts business efficiency by letting you monitor essential locations anytime, from virtually anywhere.











Entrances

Stores

Warehouses

Factories



Zero Distance Management is a new business style made possible by Panasonic network cameras. It allows safe, smooth, economical business management that is totally free from conventional distance and time limitations.

System Diagram

To use the BB-HCM403, Internet access equipment and a power supply consisting of either a Power over Ethernet Hub or an AC adaptor (purchased separately) are required.











Versatile Functions Support Your Business Management



STORE



FACTORY



Other Features

Motion Detection & Image Transfer Mode The BB-HCM403 can start recording images

as soon as it detects motion. Recorded images can also be sent by e-mail* or transferred via FTP for remote confirmation. *POP before SMTP authentication and PLAIN and LOGIN SMTP authentication are supported. CRAM-MD5 SMTP authentication is not supported.

IPsec Supported

In addition to authentication based on a conventional ID and password system, packet encryption is also used to bolster security and inhibit eavesdropping.

*IPsec is an IP security protocol for data encryption standardized by IETF, an international community devoted to the standardization of Internet specifications.

Multi Camera Capability

Check the images from three sets of four cameras each, and converse with one camera site. Display

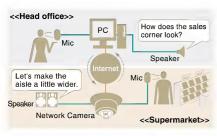
them all at once (with no audio).



Solve Problems from Wherever You Are Audio 2-Way Communication*1

By connecting the optional speaker, you can converse*2 while viewing the monitor. This allows more precise communication without the inconvenience of being in a distant location. For example, you can accurately troubleshoot problems in a warehouse or factory, or give instructions for urgent store display changes.

- *1 The audio feature does not work on cell phones
- *2 Walkie-talkie type conversation.



brightness of only 0.2 lux.

See Clearly Even in Dark Places

The BB-HCM403 camera automatically

dark, difficult-to-see places like dimly lit

The BB-HCM403 provides effective security

factories and warehouses at night.

because it lets you monitor down to a

CCD Sensor & Color Night View Mode

adjusts the image brightness for monitoring in



WAREHOUSE



ON

Part Names



ENTRANCE



Check Even Small Objects in Detail 10x Digital Zoom Function*

You can feel more secure because the zoom function gives you a clear view of objects that would be difficult to see with ordinary monitoring, like the face of a visitor walking through the door or the detailed conditions at the far back of a large factory.







Number of recording files per SD Memory Card [image quality:Standard]

Save Time from Your Busy Schedule SD Memory Card* Recording

you can collect an entire day's worth of images for a quick and easy check. For example, using a 2-GB SD Memory Card with

By recording continuously in preset intervals,

1-minute recording intervals, you can record

up to 80 days' worth (115,000 images). This is

*The SD Memory Card is sold separately. The camera supports

2-GB, 1-GB, 512-MB, 256-MB, 128-MB and 64-MB Panasonic SD

great for people who have to spend time

away from the business site.

SD	Resolution				
Memory	640 x 480 320 x 240		160 x 120		
Card	Approx.33KB/file	Approx.16KB/file	Approx.5KB/file		
2GB	Approx. 55,000 images	Approx. 115,000 images	Approx. 370,000 images		
1GB	B Approx. Approx. 28,000 images 58,000 images		Approx. 180,000 images		
512MB	Approx. 14,000 images	Approx. 29,000 images	Approx. 94,000 images		

		Specific	ations [BB-HCM403]		
Server		Network camera		Terminal	
Video Compression	JPEG (3 levels)	Viewing Angle	Horizontal: 53°, vertical: 40°	Interface	10Base-T/100Base-TX Ethernet RJ-45 connector x 1
Video Resolution	640 x 480, 320 x 240 (default), 160 x 120	Tilt Angle	0°up to +65° (administrator only)	External I/O	External sensor input x 2, external sensor output x 1
Image Quality	3 modes (favor clarity, standard, favor motion)	Indicator Display	Power/network communication/camera operation	External Microphone Input	Ø3.5 mm mini jack
Frame Rate*1	Rate*1 Max. 12 frames/second (640 x 480)		Ethernet link	Audio Output	Ø3.5 mm stereo mini jack (but output is mono.)
Security	Max. 30 frames/second (320 x 240 or 160 x 120) User ID/password/IPsec	Sensor Type	1/4 inch CCD (interlace type), 320,000 pixels (effective pixels)	I/O connector for sensor	G GND 1 External sensor input G GND 2 External sensor input 3 External device control output
Cipher Algorithm	DES-CBC, 3DES-CBC, AES-CBC	Focus	Fixed 0.5 m (20 inches)-infinity		
Psec Feature ESP encryption, ESP authentication		Caliber Ratio (F No.)	F3.5		4 DC power output terminal (10.5_13.5 VDC)
	Transport mode/tunnel mode IKE (Internet Key Exchange)		Auto/manual/hold	SD Memory Card Slot	2GB, 1GB, 512MB, 256MB, 128MB, 64MB
Input Encoding Method	Encoding with ActiveX	White Balance Exposure	Auto	General	
IKE (Internet Key Exchange) Pre-shared key Supported Protocols IPv4/IPv6 dual-stack IPv4. TOP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, P0F3, NTP, UPnPTM, IPs		Illumination	3 to 100,000 lux (in color night view mode: 0.2 to 100,000 lux)	Humidity	Operation: 0°C to +40°C (+32°F to +104°F) Storage: 0°C to+50°C (+32°F to +122°F)
User Access Limit	IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS,ICMPv6 POP3, NDP, NTP, IPsec		Audio		Operation: 20 % to 80 % [No Condensation] Storage: 20 % to 90 % (No Condensation]
(max. 10 accesses with voice reception)		Audio Communication	2-Way half duplex	Dimension (H x W x D)	97.5 x 123 x 123 mm [3 13/16 x 4 13/16 x 4 13/16 inches]
Buffered Image*2 About 125 frames (320 x 240) with time display [when SD Memory Card is not inserted.]		Audio Play Method	Play with ActiveX	Weight	330g (0.73 lb.) (Only the unit)
		Audio Compression	ADPCM 32k bps	Power supply	PoE: (48 V, IEEEE 802.3af-compliant Power over Ethernet). AC adaptor
Message-Digest Algorithm			300 Hz-3.4 kHz		
			Built-in microphone or external microphone	AC adaptor (Model No. BB-HCA2A: Option)	Input: 120 V AC, 60 Hz output: 12 V DC, 0.75 A
Image Transfer Method	SMTP*3, FTP	Audio Output*4	Audio line output terminal for external speaker	Consumption	PoE: about 5.5 W, AC adaptor: about 5.8 W

- are may stow down depending on the network environment, PC performance, image quality, SD memory recording, using 'Psec or what object you view or unumnumber of frames changes depending on the image quality and what object you buffer; for some SMTP authentication and SMTP authentication and SMTP authentication (PCAM-MDS) is not supported. It to an amplifier or an external speaker with a built-in amplifier.

Lens cover